

FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION FM

STH

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
CA	BPED -910219MJ N/M	NEW 89.3MHZ	LOGOS BROADCASTING CORPORATION SAN LUIS OBISPO CA	CP FOR NEW EDUCATIONAL FM ON: FREQUENCY: 89.3 MHZ; ERP: 3.7 KW H&V; HAAT: 499 METERS H&V 35 21 37 120 39 17

LICENSE EXPIRATION DATE _____

CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT() CONSTRUCTION DATES, START _____ END _____
 CONTESTED () UNCONTESTED ()

APPROVED _____

FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.

ORIGINAL

JOSEPH E. DUNNE III
COLBY M. MAY*

*ALSO ADMITTED IN VIRGINIA

MAY & DUNNE

CHARTERED

ATTORNEYS AT LAW

1000 THOMAS JEFFERSON STREET, N.W.

SUITE 520

WASHINGTON, D.C. 20007

(202) 298-6345

RICHARD G. GAY
OF COUNSEL

TELECOPIER NO.
(202) 298-6375

FEB 20 3 02 PM '91

AUDIO SERVICES
DIVISION

February 19, 1991

HAND DELIVER

RECEIVED

FEB 19 1991

Donna R. Searcy
Secretary
Federal Communications Commission
Washington, D.C. 20554

ATTN: FM Branch, Audio Services Division, Mass Media Bureau

Federal Communications Commission
Office of the Secretary

RE: Application of Logos Broadcasting Corporation for a new
Noncommercial FM Station on Channel 207B, San Luis Obispo,
California

Dear Ms. Searcy:

Transmitted herewith, in triplicate, on behalf of Logos
Broadcasting Corporation, is its application, submitted on FCC
Form 340, requesting authority to construct a new noncommercial
FM station to serve San Luis Obispo, California.

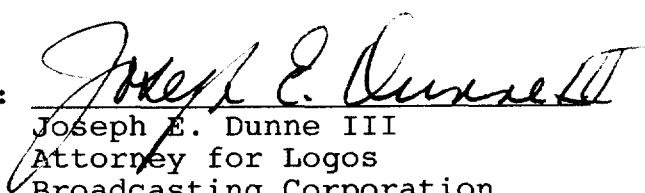
This application is mutually exclusive with the application of
KCBX, Inc., and is filed against that applicant's out-off (Report
No. A-211).

Should any questions arise concerning this matter, kindly contact
the undersigned directly.

Respectfully submitted,

MAY & DUNNE, CHARTERED

By:


Joseph E. Dunne III
Attorney for Logos
Broadcasting Corporation

JED:vgA17

xc: LBC Public File
Dan M. Lemburg

RECEIVED

FEB 21 1991

APPLICATION FOR CONSTRUCTION PERMIT FOR
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION
(Carefully read instructions before filing form) Return only form to FCC

RECEIVED

For Commission **FEB 20 3 02 PM '91**
File No. **BPED 910219MJ**
AUDIO SERVICES
DIVISION

Section I - GENERAL INFORMATION

1. Name of Applicant Logos Broadcasting Corporation			Federal Communications Commission Office of the Secretary Send notices and communications to the following person Name Joseph E. Dunne III, Esq.		
Street Address or P.O. Box 480 Los Osos Valley Road			Street Address or P.O. Box 1000 Thomas Jefferson St., N.W., Suite 520		
City San Luis Obispo	State CA	ZIP Code 93401	City Washington	State DC	ZIP Code 20007
Telephone No. (Include Area Code) (805) 528-2213			Telephone No. (Include Area Code) (202) 298-6345		

2. This application is for: ☐ AM ☒ FM ☐ TV

(a) Channel No. or Frequency 207B 89.3	(b) Principal Community San Luis Obispo	City San Luis Obispo	State CA
-------------------------------------------	--------------------------------------------	-------------------------	-------------

(c) Check one of the following boxes:

☒ Application for NEW station

☐ MAJOR change in licensed facilities; call sign: _____

☐ MINOR change in licensed facilities; call sign: _____

☐ MAJOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐ MINOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐ AMENDMENT to pending application; application file number: _____

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application? ☐ Yes ☒ No

If Yes, state:	Call letters	Community of License	
	89.3MHz		State
	BPED -910219MJ NEW		
	SAN LUIS OBISPO CA		
LOGOS BROADCASTING CORPORATION			

Section II - LEGAL QUALIFICATIONS

Name of Applicant

Logos Broadcasting Corporation

1. Applicant is: *(check one box below)*

- ☐ (a) governmental or public educational agency, board or institution
- ☐ (b) private nonprofit educational institution
- ☒ (c) Other *(specify)* Nonprofit Organization

2. For applicants 1(c) only, describe in an Exhibit the nature and educational purposes of the applicant.

Exhibit No.
II-1

3. For applicants 1(c) applying for a new noncommercial educational television station only, describe in an Exhibit how the applicant's officers, directors and members of its governing board are broadly representative of the educational, cultural and civic segments of the principal community to be served.

Exhibit No.
DNA

4. Describe in an Exhibit how the proposed station will be used, in accordance with 47 C.F.R. Section 73.503 or Section 73.621, for the advancement of an educational program.

Exhibit No.
II-2

5. Is there any provision contained in any by-laws, articles of incorporation, partnership agreement, charter, statute or other document which would restrict the applicant in advancing an educational program or complying with any Commission rule, policy or provision of the Communications Act of 1934, as amended?

☐ Yes ☒ No

If Yes, provide particulars in an Exhibit.

Exhibit No.
DNA

CITIZENSHIP AND OTHER STATUTORY REQUIREMENTS

6. (a) Is the applicant in violation of the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments? (See Instruction B to Section II)

☐ Yes ☒ No

(b) Will any funds, credits or other financial assistance for the construction, purchase or operation of the station(s) be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?

☐ Yes ☒ No

If the answer to (b) above is Yes, attach an Exhibit giving full disclosure concerning this assistance.

Exhibit No.
DNA

7. (a) Has an adverse finding been made or an adverse final action taken by any court or administrative body as to the applicant or any party to this application in a civil or criminal proceeding brought under the provisions of any law related to the following:

Any felony; broadcast related antitrust or unfair competition; criminal fraud or fraud before another governmental unit; or discrimination?

☐ Yes ☒ No

(b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above?

☐ Yes ☒ No

If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving full disclosure concerning persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), a statement of the facts upon which the proceeding is or was based or the nature of the offense alleged or committed, and a description of the current status or disposition of the matter.

Exhibit No.
DNA

PARTIES TO APPLICATION

8. Complete the following Table with respect to all parties to this application:

(NOTE: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.)

INSTRUCTIONS: If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificate or other ownership interest, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interests. If applicant is a governmental or public educational agency, board or institution, fill out columns (a), (b), and (c) as to all members of the governing board and chief executive officers.

Name and Residence Address(es)	Office Held	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M)
		YES	NO	
(a)	(b)	(c)		(d)
Dan M. Lemburg 480 Los Osos Valley Road Los Osos, CA 93402	President	X		20%
Reuben D. Kvidt 116 Vista Street Arroyo Grande, CA 93420		X		20%
Y. Leon Maksoudian 622 Couper Drive San Luis Obispo, CA 93405-1105	Secretary	X		20%
Daniel W. Woods, M.D. 1837 Castillo Ct. San Luis Obispo, CA 93405	Chief Financial Officer	X		20%
Kathleen Davis 1855 San Luis Drive San Luis Obispo, CA 93401		X		20%

SECTION III - FINANCIAL QUALIFICATIONS

Note: If this application is for a change in an operating facility, DO NOT fill out this Section.

1. Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration? ☐ Yes ☒ No

2. Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision? ☐ Yes ☒ No

NOTE: If either Questions 1 or 2 is answered "Yes," your application cannot be granted until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration, no further action on your part is required. If you rely on funds from a source specified in Question 2, you must advise the F.C.C. when the funds are committed or appropriated. This should be accomplished by letter amendment to your application, in triplicate, signed in the same manner as the original application, and clearly identifying the application to be amended.

3. The applicant certifies, except as noted above, that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without additional funds. ☒ Yes ☐ No

SECTION IV - PROGRAM SERVICE STATEMENT

Attach as an Exhibit, a brief description, in narrative form, of the planned programming service relating to the issues of public concern facing the proposed service area.

Exhibit No. IV-1

NOTE: No program service statement need be filed where the proposed station's programming would be wholly "instructional" as that type of programming is defined in the Instructions to this Section.

9. Does the applicant or any party to this application have, or have they had, any interest in:

- (a) a broadcast station, or pending broadcast station application before the Commission?

☐ Yes

☒ No
- (b) a broadcast application which has been dismissed with prejudice by the Commission?

☐ Yes

☒ No
- (c) a broadcast application which has been denied by the Commission?

☐ Yes

☒ No
- (d) a broadcast station, the license of which has been revoked?

☐ Yes

☒ No
- (e) a broadcast application in any pending or concluded Commission proceeding which left unresolved character issues against the applicant?

☐ Yes

☒ No

If the answer to any of the questions in (a)-(e) above is Yes, state in an Exhibit the following information:

Exhibit No.
DNA

- (1) Name of party having interest;
- (2) Nature of interest or connection, giving dates;
- (3) Call letters of stations or file number of application or docket; and
- (4) Location.

SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees?

☐ Yes ☒ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 396-A).

SECTION VII - CERTIFICATION

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580?

☒ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. *(See Section 304 of the Communications Act of 1934, as amended.)*

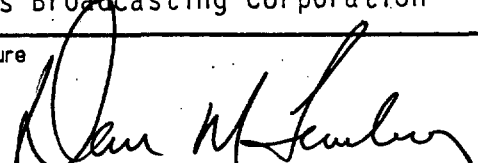
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT.
U.S. CODE, TITLE 18, SECTION 1001.**

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant Logos Broadcasting Corporation	Title President
Signature 	Date Feb 12, 1991

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 76 to 80 hours with an average of 78 hours 04 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0034), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

LOGOS BROADCASTING
CORPORATION
FCC FORM 340
SECTION II, PARA. 2

EXHIBIT II-1

EDUCATIONAL PURPOSES OF APPLICANT

LOGOS BROADCASTING
CORPORATION
FCC FORM 340
SECTION II, PARA. 2
EXHIBIT II-1

EDUCATIONAL PURPOSES OF APPLICANT

The applicant, Logos Broadcasting Corporation (Logos) is a nonprofit, nonstock, California corporation which has been granted tax exemption as a 501(c)(3) charitable, religious and a educational corporation under both California and U.S. law.

Logos was organized to focus on the educational needs of its proposed service area, with particular emphasis on the large prison population in the area at the California Men's Colony at San Luis Obispo.

Much of its local and nationally acquired programming will be geared to meet the educational needs of this portion of the population.

In addition, Logos has entered into a cooperative agreement with a local educational institution, Coastal Christian School (CCS), a K-12 school in Arroyo Grande, California, to provide educational and instructional programming geared to CCS' curriculum and instructional program. For example, Logos and CCS have agreed to develop a communications internship program for CCS' older secondary students in which the students, as part of their classroom work, would gain hands on experience in the operation of a radio station.

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SECTION II, PARA. 2
EXHIBIT II-1, Page 2

Finally, Logos plans to provide instructional and educational programming on the Bible and other religious subjects.

LOGOS BROADCASTING
CORPORATION
FCC FORM 340
SECTION II, PARA. 4

EXHIBIT II-2

ADVANCEMENT OF EDUCATIONAL PROGRAM

LOGOS BROADCASTING
CORPORATION
FCC FORM 340
SECTION II, PARA. 4
EXHIBIT II-2

ADVANCEMENT OF EDUCATIONAL PROGRAM

As noted in Exhibit II-1, above, Logos' proposed broadcast service will have four distinct educational components. The first component consists of the educational (and other) programming broadcast which will serve the educational, social and religious needs of the large prison population at the California Men's Colony in San Luis Obispo. This educational programming will be developed in conjunction with: Cuesta Community College; San Luis Obispo Independent School District; and, various tutoring and educational programs and ministries operated by local churches and community groups.

A second educational component will be developed in cooperation with the Coastal Christian School, a large kindergarten through 12th grade school in Arroyo Grande, California. Certain broadcast programs will be developed to complement and supplement CCS' instructional programs. These programs will be, hopefully, of interest to other schools in the service area with students of the same age and skills level.

In conjunction with CCS, Logos also hopes to develop an internship program whereby older secondary level students will get on-the-job experience in the programming and technical skills

LOGOS BROADCASTING
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SECTION II, PARA. 4
EXHIBIT II-2, Page 2

necessary to operate a radio station. This program will be developed in conjunction with the CCS administrative and instructional staff, and will be offered for academic credit.

Finally, Logos will offer educational and instructional programming on the bible. This programming will allow listeners to receive credit for specific instructional courses at accredited religious and other institutions.

LOGOS BROADCASTING
CORPORATION
FCC FORM 340
SECTION IV

EXHIBIT IV-1

PLANNED PROGRAM SERVICE

LOGOS BROADCASTING
CORPORATION
FCC FORM 340
SECTION IV
EXHIBIT IV-1

PLANNED PROGRAM SERVICES

Logos planned program schedule, as presently envisioned, is set forth below.

6:00AM	In Touch	Charles Stanley
6:30AM	Grace to You	John McArthur
7:00AM	Focus on the Family	Dr. James Dobson
7:30AM	Insight for Living	Charles Swindoll
8:00AM	Biola Hour	David Hocking
8:30AM	Local Educational and Instructional Programming	
9:00AM	Local Educational and Instructional Programming	
9:30AM	Music	
10:00AM	Local Educational and Instructional Programming	
10:30AM	Local Educational and Instructional Programming	
11:00AM	Family News in Focus	Phil Reed
11:30AM	Music	
12:00PM	Minirth-Meier Clinic	Dr. Minirth & Meier
1:00PM	Prisoner Issues, and/or Prison Oriented Instructional Programming	
2:00PM	Live Program - Issues and Answers	
5:00PM	Bible Answerman	Craig Hawkins
6:00PM	In Touch	Charles Stanley
6:30PM	Grace to You	John McArthur
7:00PM	Insight for Living	Charles Swindoll
7:30PM	Local Programming	
8:00PM	Local Programming	
8:30PM	Talk Back	Bob Larson
9:00PM	Focus on the Family	Dr. James Dobson
9:30PM	Issues of Life	John Jolliffe
10:00PM	to	
6:00AM	Skylight Satellite Network	

LOGOS BROADCASTING
CORPORATION
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SECTION IV
EXHIBIT IV-1, Page 2

Programs such as "In Touch," "Grace to You," "Insight for Living," "The Biola Hour," "The Bible Answerman," and "Family News" are Bible-oriented programming, focusing on the Bible and spiritual issues.

Programs such as "Focus on the Family," "Minirth-Meier Clinic," "Talk Back," and "Issues of Life" will focus on religious, medical, psychological and other approaches to treating behavioral, mental health and family issues.

The morning educational programming bloc will provide educational and instructional programming for CCS and other local educational institutions. An afternoon (after lunch) time bloc has been set aside for programming responsive to the educational and other needs of the prison population.

The "Issues and Answers" program will be a locally originated call-in show where local community leaders will be interviewed on issues of particular local importance, and answer call-in questions from listeners.

If the prison administration will cooperate, at least one hour a week of the "prison bloc" will be devoted to an interview and call-in program devoted specifically to issues of interest to prisoners and their families.

LOGOS BROADCASTING
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FCC FORM 340
SECTION V-B

EXHIBIT V-B AND ASSOCIATED EXHIBITS

Section V-B - FM BROADCAST ENGINEERING DATA

FOR COMMISSION USE ONLY

File No. _____

ASB Referral Date _____

Referred by _____

Name of Applicant

Logos Broadcasting Corporation

Call letters (if issued)

Is this application being filed in response to a window? ☐ Yes ☒ No

If Yes, specify closing date: _____

Purpose of Application: (check appropriate boxes)

☒ Construct a new (main) facility

☐ Construct a new auxiliary facility

☐ Modify existing construction permit for main facility

☐ Modify existing construction permit for auxiliary facility

☐ Modify licensed main facility

☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

☐ Antenna supporting-structure height

☐ Effective radiated power

☐ Antenna height above average terrain

☐ Frequency

☐ Antenna location

☐ Class

☐ Main Studio location

☐ Other (Summarize briefly)

File Number(s) _____

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
207	San Luis Obispo	San Luis Obispo	CA

Class (check only one box below)

☐ A ☐ B1 ☒ B ☐ C3

☐ C2 ☐ C1 ☐ C ☐ D

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

Cuesta Peak in Los Padres National Forest 9 km north of San Luis Obispo

San Luis Obispo County, California

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array.

Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude N	35	21	37	Longitude W	120	39	17
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3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☒ Yes ☐ No

If Yes, give call letter(s) or file number(s) or both. KSBY-TV, KLZZ (FM), KKUS (FM), KDDB (FM), KCBX (FM)

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

No change in height

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	0	Longitude	0
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5. Has the FAA been notified of the proposed construction?

☐ Yes ☒ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.

Date _____ Office where filed _____

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) CA Polytechnic Col.	5.6	N194E
(b)		

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level; 745 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 140 meters

(3) of the top of supporting structure above mean sea level [(aX1) + (aX2)] 885 meters

(b) Height of radiation center: (to the nearest meter) H = Horizontal; V = Vertical

(1) above ground 87 meters (H)

87 meters (V)

(2) above mean sea level [(aX1) + (bX1)] 832 meters (H)

832 meters (V)

(3) above average terrain 499 meters (H)

499 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(bX3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.
E-1

9. Effective Radiated Power: Effective Radiated Power

(a) ERP in the horizontal plane 3.7 kw (H*) 3.7 kw (V*)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.

_____ kw (H*) _____ kw (V*)

*Polarization

*Polarization

10. Is a directional antenna proposed?

☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No.

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. *(See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)*

Exhibit No.
*

* See Engineering Statement

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.
E-2

14. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
E-3

(a) the proposed transmitter location, and the radials along with profile graphs have been prepared;

(b) the 1 mV/m predicted contour and, for noncommercial educational applicants applying on a commercial channel, the 3.16 mV/m contour; and

(c) the legal boundaries of the principal community to be served.

15. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 5605 sq. km.

Population 210,055 (1986 census update)

16. Attach as an Exhibit a map *(Sectional Aeronautical charts where obtainable)* showing the present and proposed 1 mV/m (60 dbu) contours.

Exhibit No.

Enter the following from Exhibit above:

Gain Area _____ sq. mi.

Loss Area _____ sq. mi.

Percent change (gain area plus loss area as percentage of present area) _____ %.

If 50% or more this constitutes a major change. Indicate in question 2(c), Section I, accordingly.

17. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.

- (a) the proposed auxiliary 1 mV/m contour; and
- (b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license. See 47 C.F.R. Section 73.1675. (File No.: _____)

18. Terrain and coverage data (to be calculated in accordance with 47 C.F.R. Section 73.313).

Source of terrain data: (check only one box below)

- ☐ Linearly interpolated 30-second database ☐ 7.5 minute topographic map

(Source: _____)

☒ Other (briefly summarize) On file KSBY-TV, KCBX(FM), KLZZ(FM)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances to the 1 mV/m contour (kilometers)
0	466	50.3
45	457	49.8
90	407	47.3
135	201	34.7
180	721	61.3
225	672	59.6
270	666	59.4
315	405	47.2

Allocation Studies
(See Subpart C of 47 C.F.R. Part 73)

19. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Exhibit No.

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

Exhibit No.

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following:

Exhibit No.

E-4

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ *(separation requirements involving intermediate frequency (i.f.) interference)*.

Exhibit No.

23.(a) Is the proposed operation on Channel 218, 219, or 220?

☐ Yes ☒ No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207?

☒ Yes ☐ No

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223.

Exhibit No.

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525?

☒ Yes ☐ No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station.

Exhibit No.
E-5

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?

☐ Yes ☒ No

If Yes, attach as an Exhibit information required in 1/. (Except for Class D (secondary) proposals.)

Exhibit No.

26. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

☐ Yes ☒ No


If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No.

If No, explain briefly why not.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
Richard L. Kennedy	Engineering Consultant
Signature	Address (Include ZIP Code)
	R L Kennedy & Associates P.O. Box 141 Waynesville, NC 28786
Date	Telephone No. (Include Area Code)
6 June 1990	(704) 648-3283

R.L. KENNEDY & ASSOCIATES

Consulting Radio Engineers

ENGINEERING STATEMENT IN SUPPORT OF AN
APPLICATION FOR AUTHORITY TO CONSTRUCT A
NONCOMMERCIAL EDUCATIONAL FM BROADCAST STATION

CHANNEL 207B, 89.3 MHZ

SAN LUIS OBISPO, CA

by

LOGOS BROADCASTING CORPORATION

6 June 1990